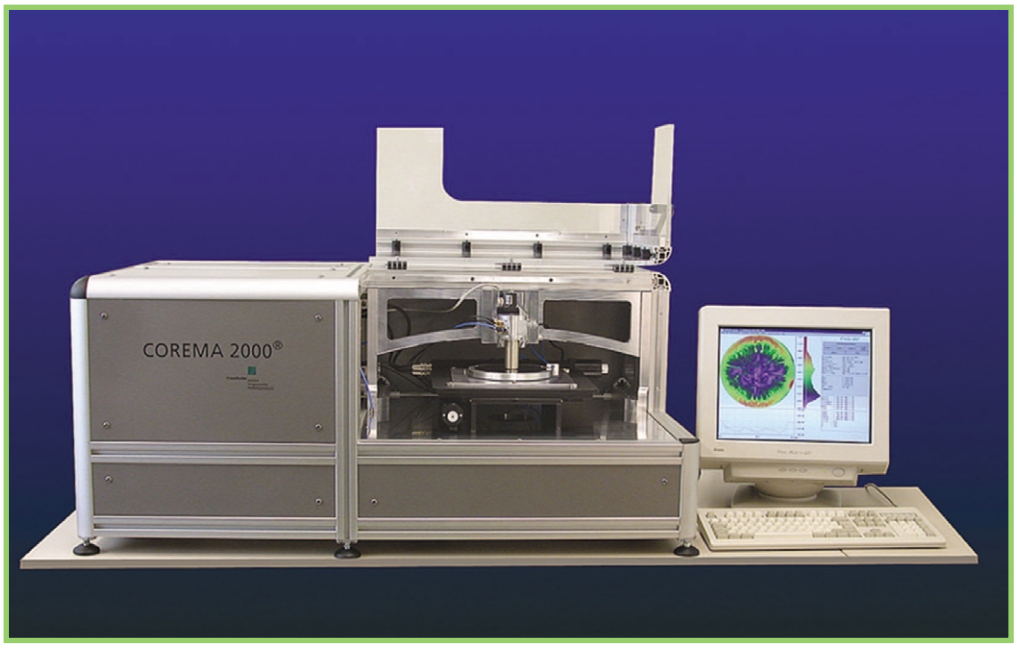
High-resolution resistivity mapping systems



COREMA offers high resolution resistivity mapping for semi-insulating SiC, GaAs, InP and GaN substrates.

II-VI Inc's Wide Bandgap Materials Group (WBG) and Penn State University ARL have each taken delivery of a COREMA (COntactless REsisitivity MApping) system, for the high-resolution resistivity mapping of semi-insulating SiC, GaAs, InP and GaN substrates. It has a resistivity measurement range of 1E5-1E12 Ω cm.

COREMA is manufactured under license by SemiMap Scientific Instruments GmbH in Germany, and was originally developed by the Fraunhofer Institute IAF in Freiburg, Germany.

Hologenix Inc, in Huntington Beach, CA, is exclusively responsible for marketing, sales and service for the COREMA system in North America and Asia.

II-VI Inc's WBG manufactures and markets single crystal SiC substrates for use in the solid-state lighting, wireless infrastructure, RF electronics and power switching industries.

"The non-contact mapping nature of this tool has demonstrated its usefulness as we continue to develop our SiC crystal growth technology and product," said Dr Andy Souzis, WBG Programme manager.

Penn State ARL Electro-Optics Center in Freeport, PA will use the system for the R&D of SiC semi-insulating substrates.

Rodel and Shipley become Rohm and Haas Electronic Materials

Shipley Company and Rodel will become Rohm and Haas Electronic Materials from February 1, 2004.
Rodel and Shipley together comprise the more than $1bn Rohm and Haas Electronic Materials business group, which delivers material solutions to the electronic and optoelectronic industries.

"Our customers will continue to receive the same exceptional advanced technology and service that has established us as a worldwide market leader," said Pierre R. Brondeau, who heads this business group. "We remain committed to bringing innovation to the global electronics market and adopting the single Rohm and Haas name will accelerate future growth."

Equipments & Materials Processing

IQE attains ISO9001: 2000 quality standard

IQE plc announced that its four wholly owned subsidiary companies have successfully completed the transition to the new international standard for quality against the internationally recognised standard, ISO 9001: 2000.

Each of the four companies has been independently assessed and recommended for accreditation to the new standard in their own right. IQE Silicon Compounds Ltd was the first to gain accreditation to the new standard in 2001, Wafer Technology Ltd and IQE Inc successfully made the transition earlier this year, and now IQE Europe Ltd has attained the standard.

UMS and TNO-FEL form alliance

United Monolithic Semiconductors (UMS), a supplier of MMICs and open GaAs foundry services, and TNO Physics and Electronics Laboratory (TNO-FEL) have formed a strategic alliance. Both parties will share selected information and capabilities.

F.L.M. van den Bogaart, head of the Integrated Front-end Solutions Group of TNO-FEL, said: "Our microwave design knowledge and design expertise together with the comprehensive GaAs processes of UMS will be very beneficial for our joint customers.

"The access to the technology, the models and the ability to discuss freely with the technology experts of UMS will result in MMICs with better performance and more functionality in less area."